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27572 7590 09/11/2007

**HARNES, DICKEY & PIERCE, P.L.C.**  
**P.O. BOX 828**  
**BLOOMFIELD HILLS, MI 48303**

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12/05/2007 FHETEKI2 00000011 10646542

01 FC:1501 1440.00 OP  
02 FC:1504 300.00 OP  
03 FC:8001 18.00 OP

H. Keith Miller, Esq. (Depositor's name)

(Signature)

December 3, 2007 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,542	08/21/2003	Koichi Niihara	4041K-000148	9723

TITLE OF INVENTION: CATALYST ASSEMBLY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	12/11/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, CAM N	1754	502-300000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
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2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Harnes, Dickey & Pierce, PLC

2 \_\_\_\_\_

3 \_\_\_\_\_

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

- 1) DENSO Corporation  
2) Koichi Niihara  
3) Tadachika Nakayama

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

- 1) Kariya, Japan  
2) Osaka, Japan  
3) Osaka, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☒ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee  
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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature \_\_\_\_\_

Date December 3, 2007

Typed or printed name H. Keith Miller, Esq.

Registration No. 22,484

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